REMARKS

This is a response to the Office Action dated November 15, 2005. Claims 13-26 have been cancelled. Claims 27-41 are pending. Individual issues are addressed next.

New Claims

New claims 27-41 have been added to this application. No new matter has been added. The new claims are fully supported by the originally filed application.

The pending claims describe displaying a high-density image on a low-density display. A high-density bit mapped dot matrix data describing a digital image comprising a plurality of dots is mapped into a low-density display having a number of pixels, which is fewer than the number of dots in the digital image. (p. 1, lines 7-12). A pixel is the term of art for the smallest addressable unit in a display, for instance, the LEDs (also sometimes referred to as "dots") disclosed as operable units of a display in the preferred embodiment.

Claims 39 and 41 of the present application recite various means. The structures corresponding to the recited functions are found in the specification at p. 10, line 14 - p. 14, line 24, and Fig. 1, 2, 3, 4, and 5.

A person of ordinary skill in the art may naturally elect alternative embodiments. For instance, the above-mentioned means may be implemented by other equivalent structures, for example by a microprocessor running software for performing these functions.

Double Patenting

In paragraphs 1-2 of the Office Action, claims 13-26 were rejected based on the judicially created doctrine of double patenting. The Office Action alleged that the claims of the present application are not patentably distinct from claims of U.S. Patent No. 6,690,341 to Tokimoto et al. (the "'341 patent"). The double patenting rejection is moot in view of the claim amendments.

Prior Art of Record

U.S. Patent No. 5,459,484 to Nguyen ("Nguyen") discloses systems and methods for displaying high resolution information on a low resolution display monitor. (Nguyen, *Abstract*). Nguyen methods and systems for accomplishing this result are completely different from the claimed invention. For instance, for a single pixel on a display, Nguyen

has only one way of displaying a portion of the image. In sharp contrast, claim 27 expressly recites that a given pixel is operated in at least two ways based on a portion of the image.

Nguyen does not disclose, teach or suggest at least "dividing the digital image into groups of dots," "assigning a group of dots to a corresponding pixel," "selecting at least a first dot from the assigned group according to a pattern," and "selecting at least a second dot different from the first dot from the assigned group according to the pattern" recited in independent claims 27.

As to the apparatus claims, Nguyen does not teach at least "a data selector operable to select a portion of the digital image," and "a memory operable to store the selected portion of the digital image" recited in claim 35. Similarly, Nguyen does not teach at least "means for selecting a portion of the digital image," and "means for storing the selected portion of the digital image" recited in claim 41.

Accordingly, the pending claims are patentable over the cited art of record. It is respectfully requested that the application be allowed to proceed to allowance without delay.

Respectfully submitted,

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